

FIG. 1  
(PRIOR ART)

FIG. 2

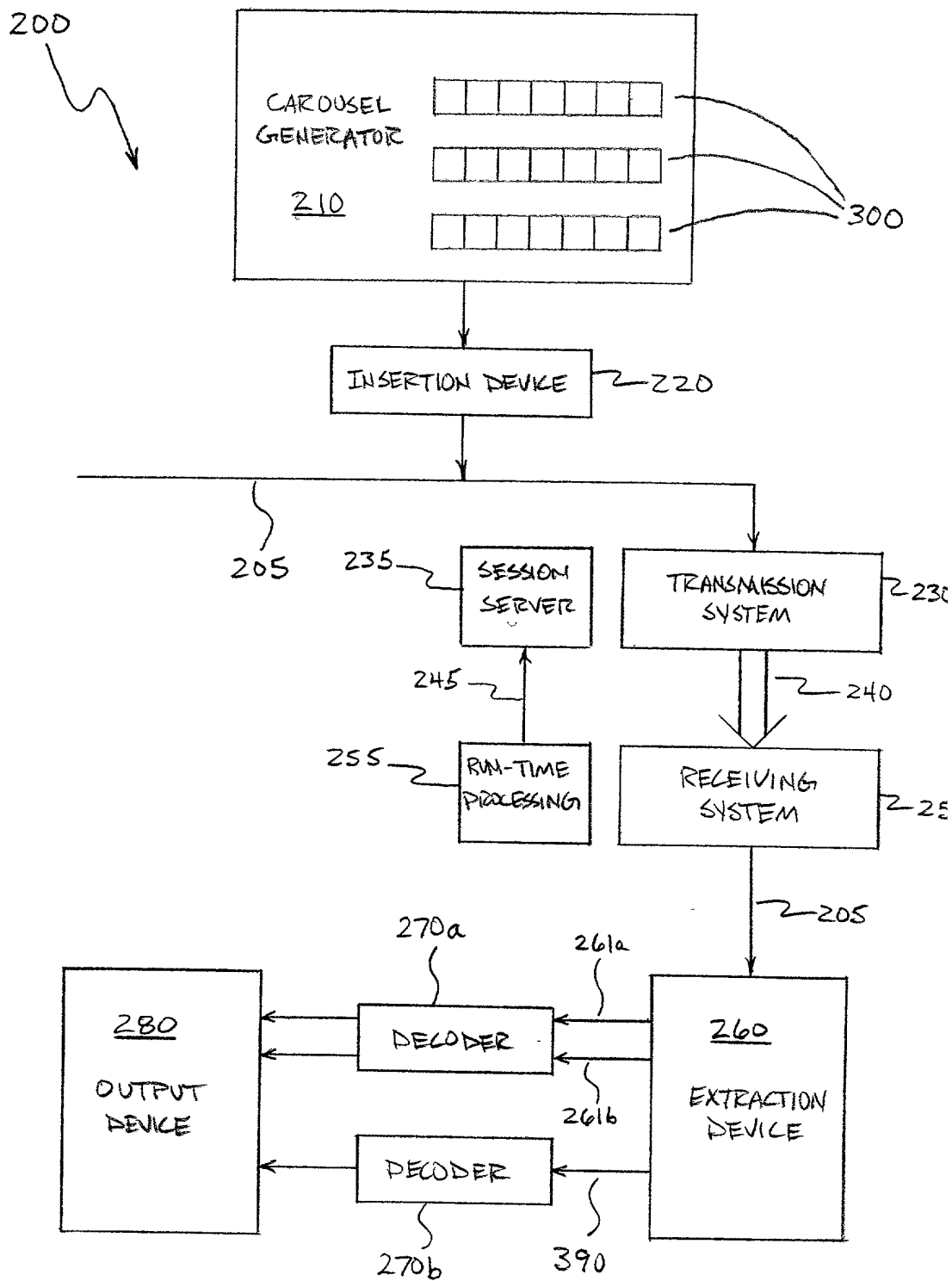


FIG. 2

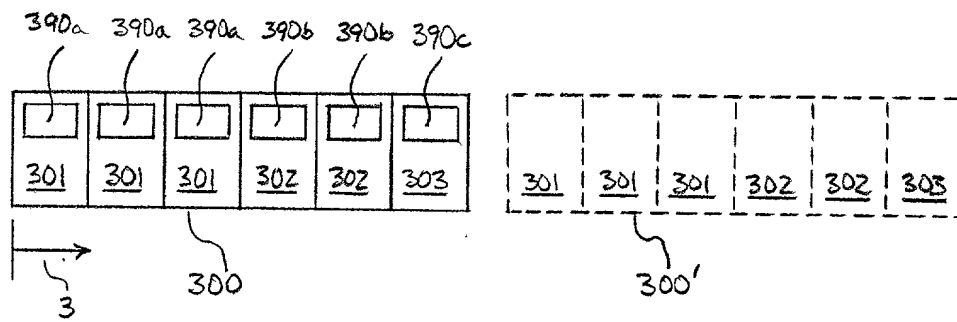


FIG. 3

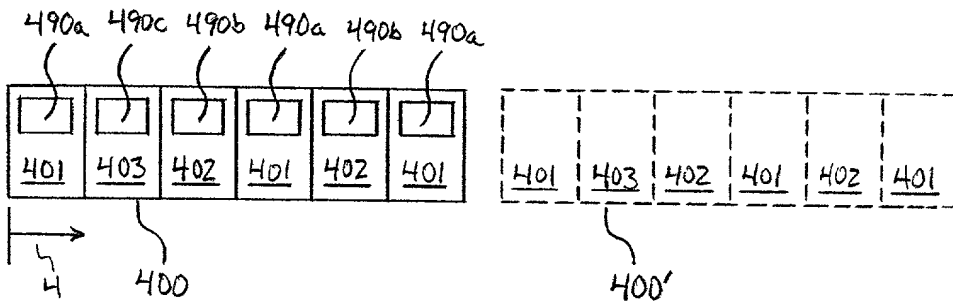


FIG. 4

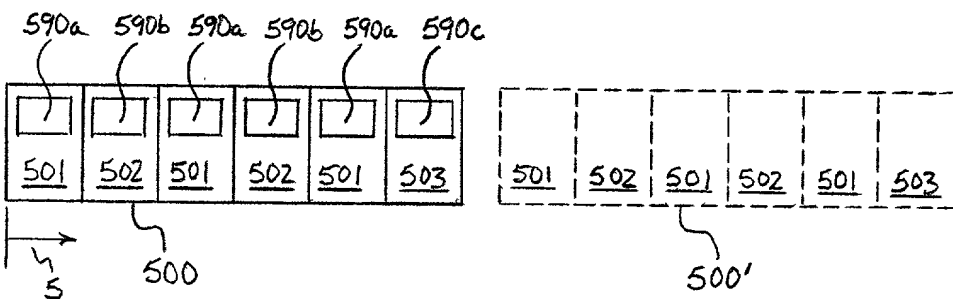


FIG. 5

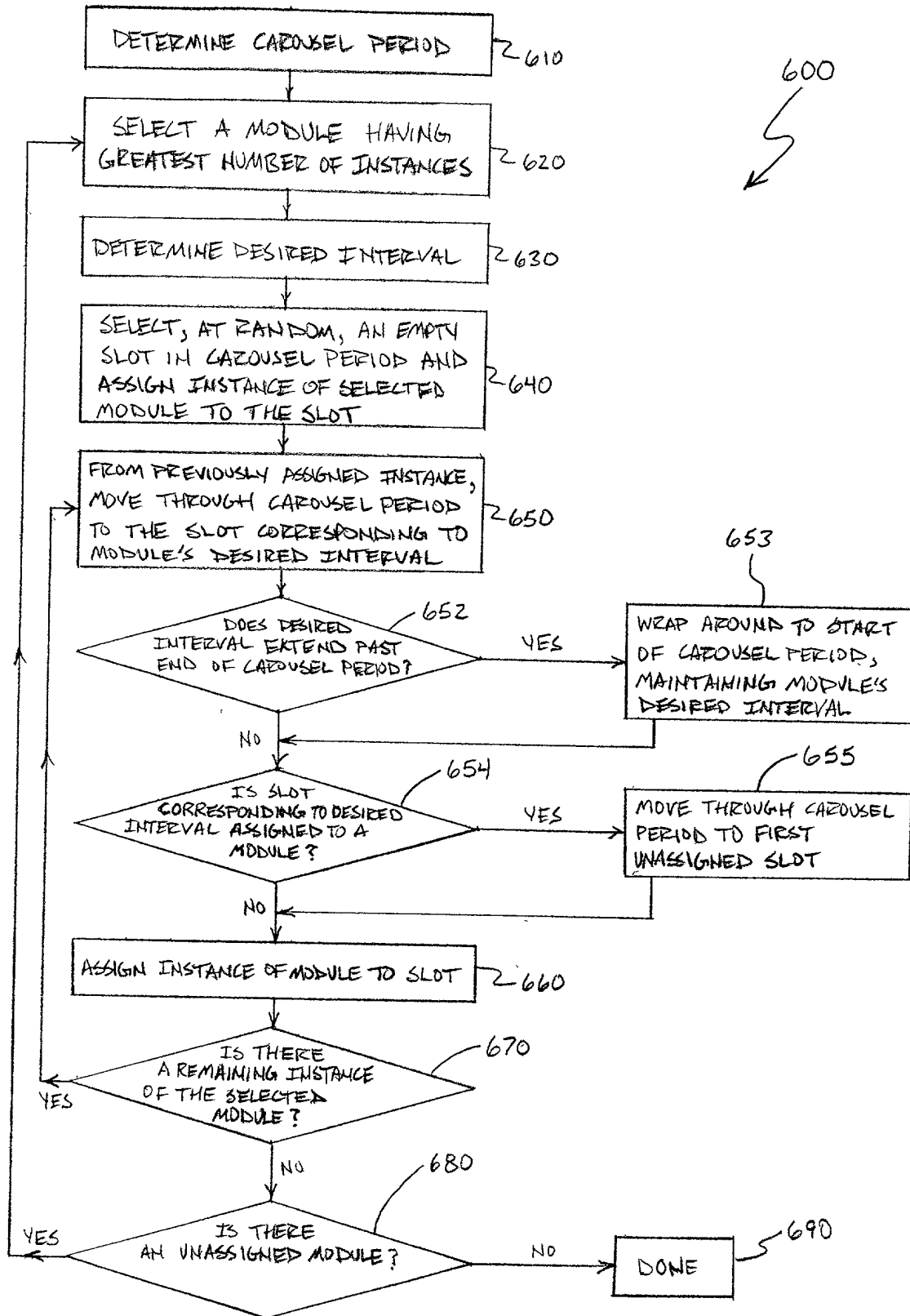


FIG. 6

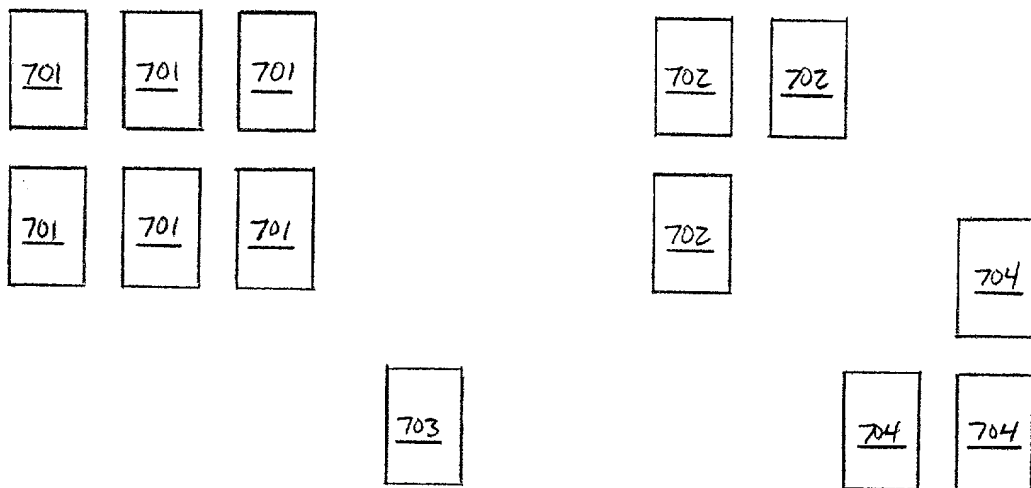


FIG. 7A

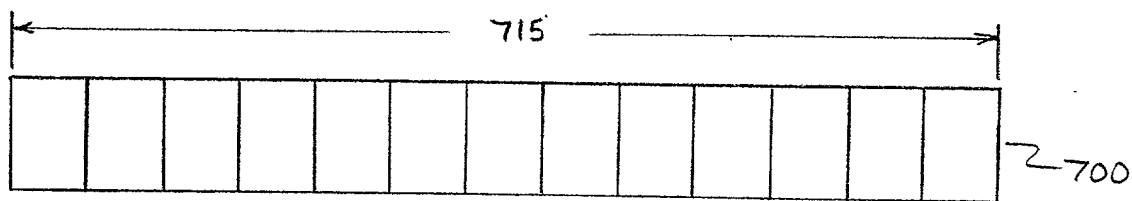


FIG. 7B

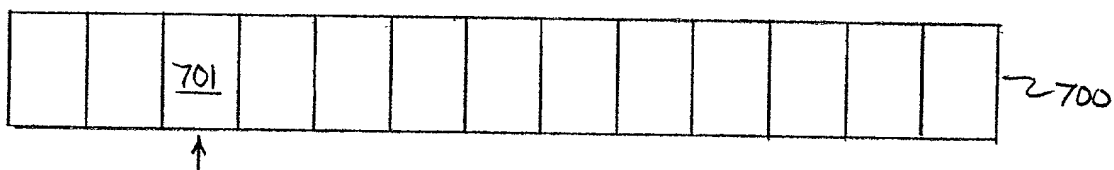


FIG. 7C

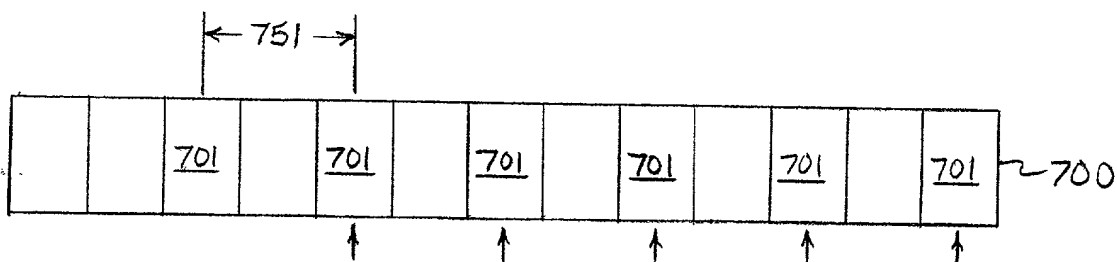
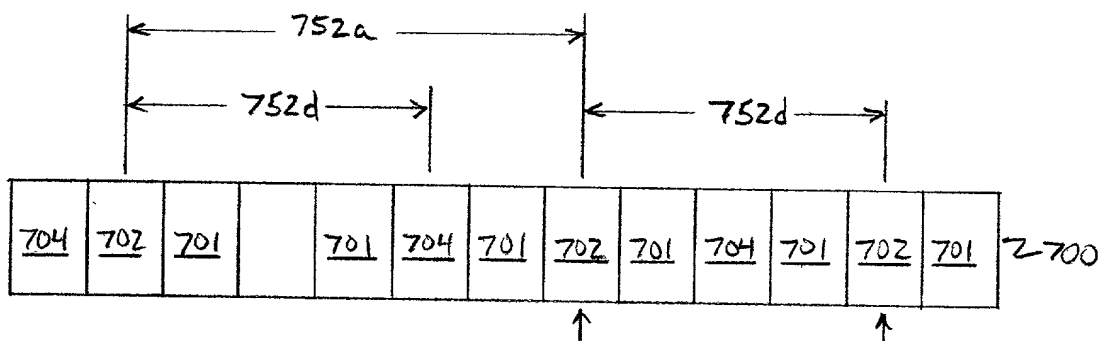
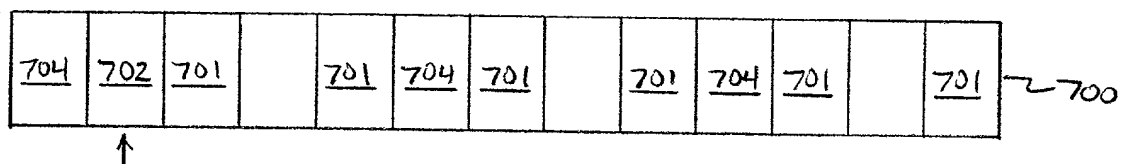
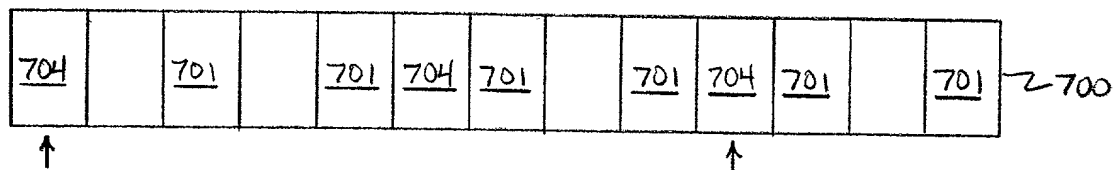


FIG. 7D



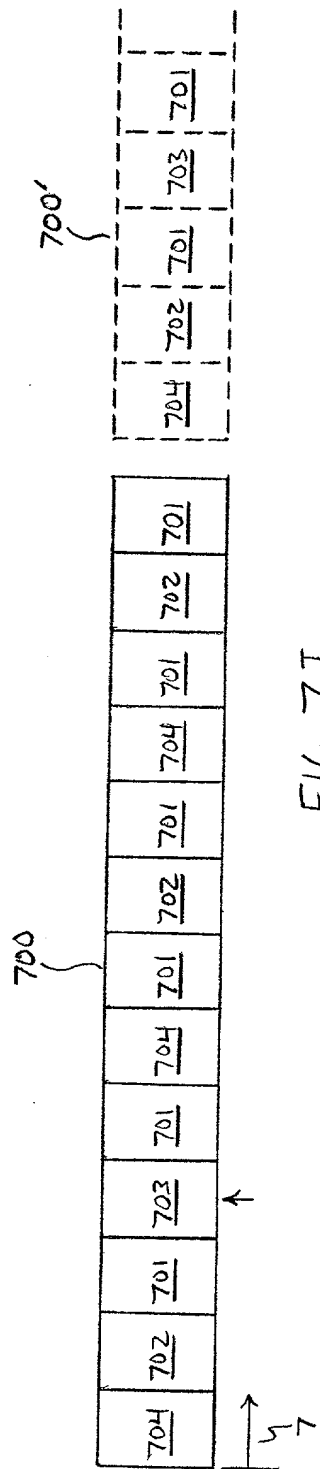


FIG. 7I

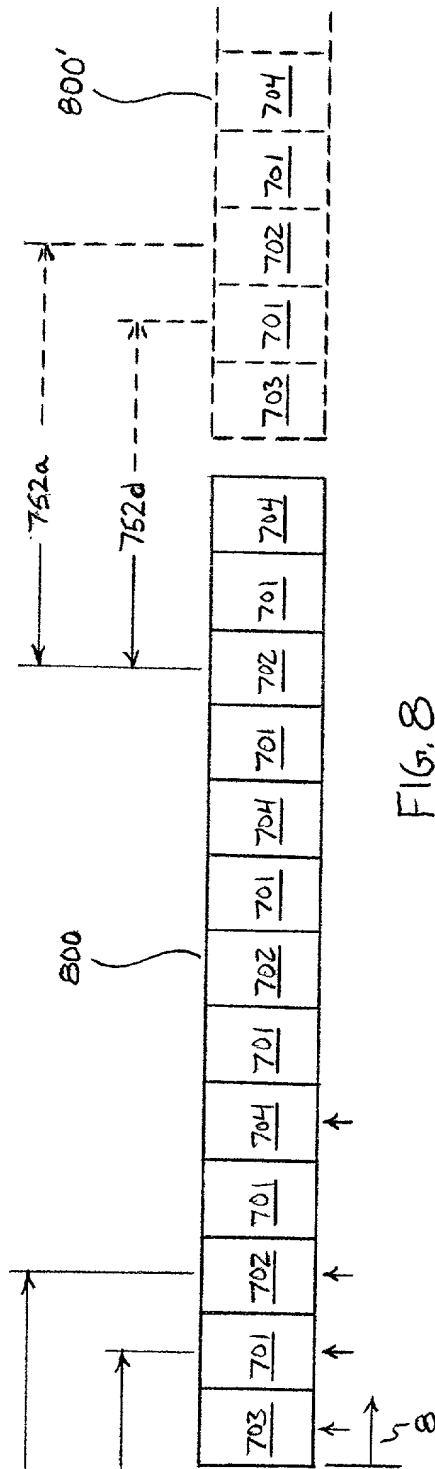


FIG. 8

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graph TD
    900((900)) --> 905[SUM = 0]
    905 --> 910[SELECT MODULE]
    910 --> 915[DETERMINE MODULE'S DESIRED INTERVAL]
    915 --> 920[SELECT INSTANCE OF MODULE  
IN CAROUSEL]
    920 --> 925[DETERMINE ACTUAL INTERVAL  
OF SELECTED INSTANCE]
    925 --> 930[DETERMINE INTDIFF OF  
SELECTED INSTANCE]
    930 --> 940[APPLY FUNCTION TO INTDIFF]
    940 --> 950[ADD RESULT TO SUM]
    950 --> 960{IS ACTUAL  
INTERVAL EQUAL  
TO 1 OR -1?}
    960 -- YES --> 965[ADD PENALTY  
TO SUM]
    965 --> 970{IS THERE  
A REMAINING INSTANCE OF  
SELECTED MODULE?}
    960 -- NO --> 970
    970 -- YES --> 910
    970 -- NO --> 980{IS THERE  
A REMAINING MODULE?}
    980 -- YES --> 910
    980 -- NO --> 990[DONE]

```

FIG. 9



1000

MODULE	INSTANCE	DESIRED INTERVAL	ACTUAL INTERVAL	INTDIFF	RESULT	PENALTY	SUM
701	1st	2	3	1	0.3	0	0.3
701	2nd	2	2	0	0	0	0.3
701	3rd	2	2	0	0	0	0.3
701	4th	2	2	0	0	0	0.3
701	5th	2	2	0	0	0	0.3
701	6th	2	2	0	0	0	0.3
702	1st	4	3	-1	0.3	0	0.6
702	2nd	4	6	2	0.7	0	1.3
702	3rd	4	4	0	0	0	1.3
703	1st	13	13	0	0	0	1.3
704	1st	4	5	1	0.3	0	1.6
704	2nd	4	4	0	0	0	1.6
704	3rd	4	4	0	0	0	1.6

1010 1020 1030 1040 1050 1060 1070 1080 1085

FIG. 10

1100

MODULE	INSTANCE	DESIRED INTERVAL	ACTUAL INTERVAL	INTDIFF	RESULT	PENALTY	SUM
701	1st	2	3	1	0.3	0	0.3
701	2nd	2	2	0	0	0	0.3
701	3rd	2	2	0	0	0	0.3
701	4th	2	2	0	0	0	0.3
701	5th	2	2	0	0	0	0.3
701	6th	2	2	0	0	0	0.3
702	1st	4	5	1	0.3	0	0.6
702	2nd	4	4	0	0	0	0.6
702	3rd	4	4	0	0	0	0.6
703	1st	13	13	0	0	0	0.6
704	1st	4	5	1	0.3	0	0.9
704	2nd	4	4	0	0	0	0.9
704	3rd	4	4	0	0	0	0.9

1110 1120 1130 1140 1150 1160 1170 1180 1185

FIG. 11

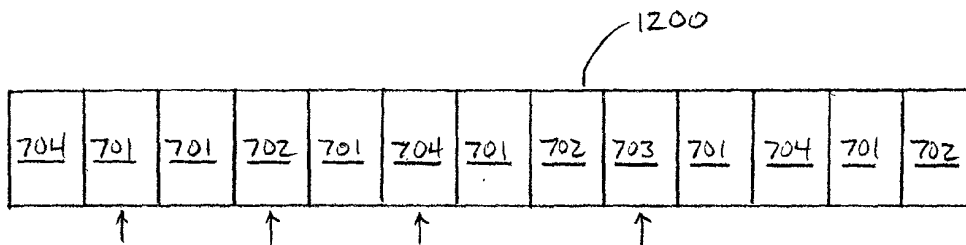


FIG. 12

1300

MODULE	INSTANCE	DESIRED INTERVAL	ACTUAL INTERVAL	INTDIFF	RESULT	PENALTY	SVM
701	1 <sup>st</sup>	2	3	1	0.3	0	0.3
701	2 <sup>nd</sup>	2	1	-1	0.3	5.0	5.6
701	3 <sup>rd</sup>	2	2	0	0	0	5.6
701	4 <sup>th</sup>	2	2	0	0	0	5.6
701	5 <sup>th</sup>	2	3	1	0.3	0	5.9
701	6 <sup>th</sup>	2	2	0	0	0	5.9
702	1 <sup>st</sup>	4	4	0	0	0	5.9
702	2 <sup>nd</sup>	4	4	0	0	0	5.9
702	3 <sup>rd</sup>	4	5	1	0.3	0	6.2
703	1 <sup>st</sup>	13	13	0	0	0	6.2
704	1 <sup>st</sup>	4	5	1	0.3	0	6.5
704	2 <sup>nd</sup>	4	5	1	0.3	0	6.8
704	3 <sup>rd</sup>	4	3	-1	0.3	0	7.1

↳ 1310
↳ 1320
↳ 1330
↳ 1340
↳ 1350
↳ 1360
↳ 1370
↳ 1380

1385

FIG. 13

FIG. 14

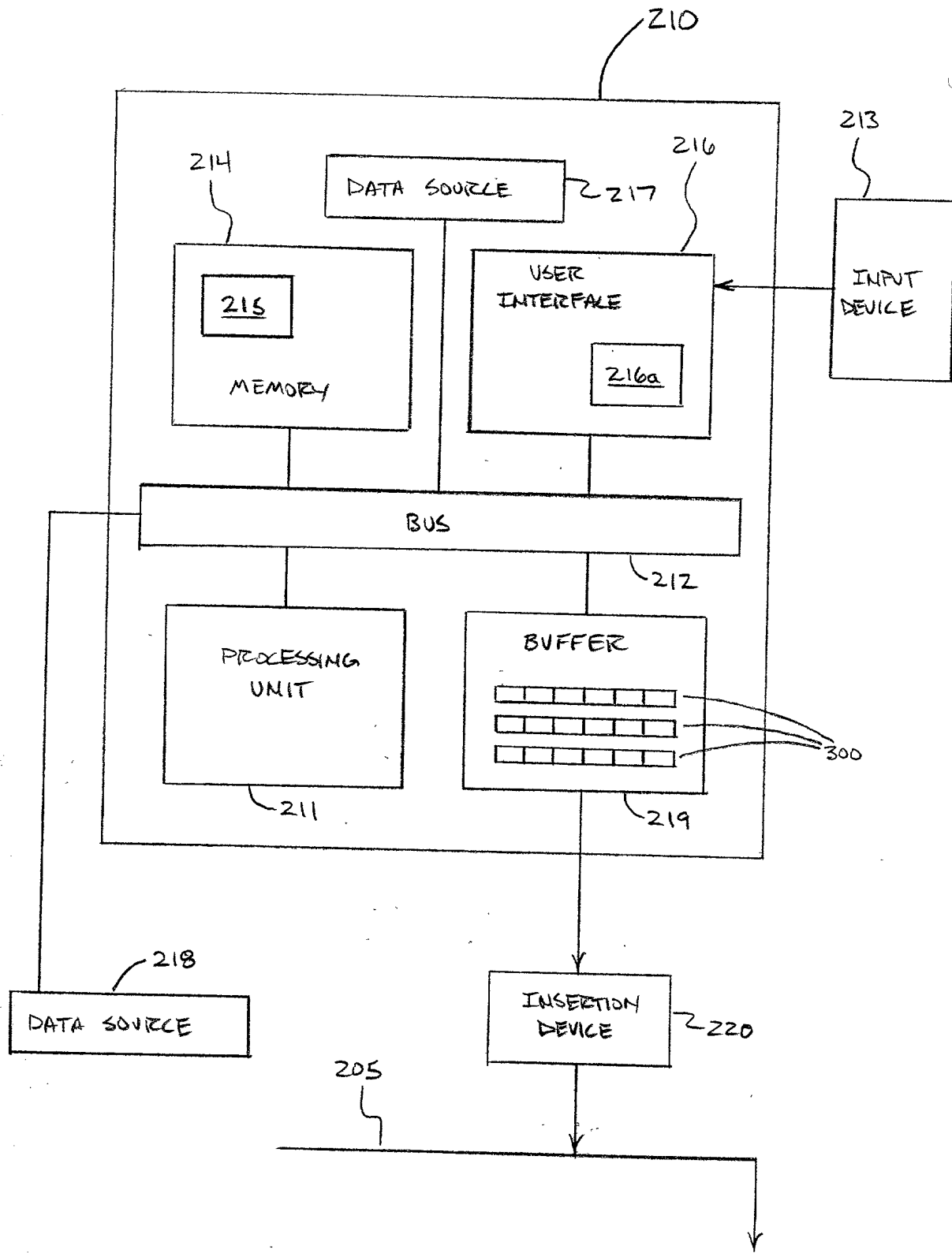


FIG. 14

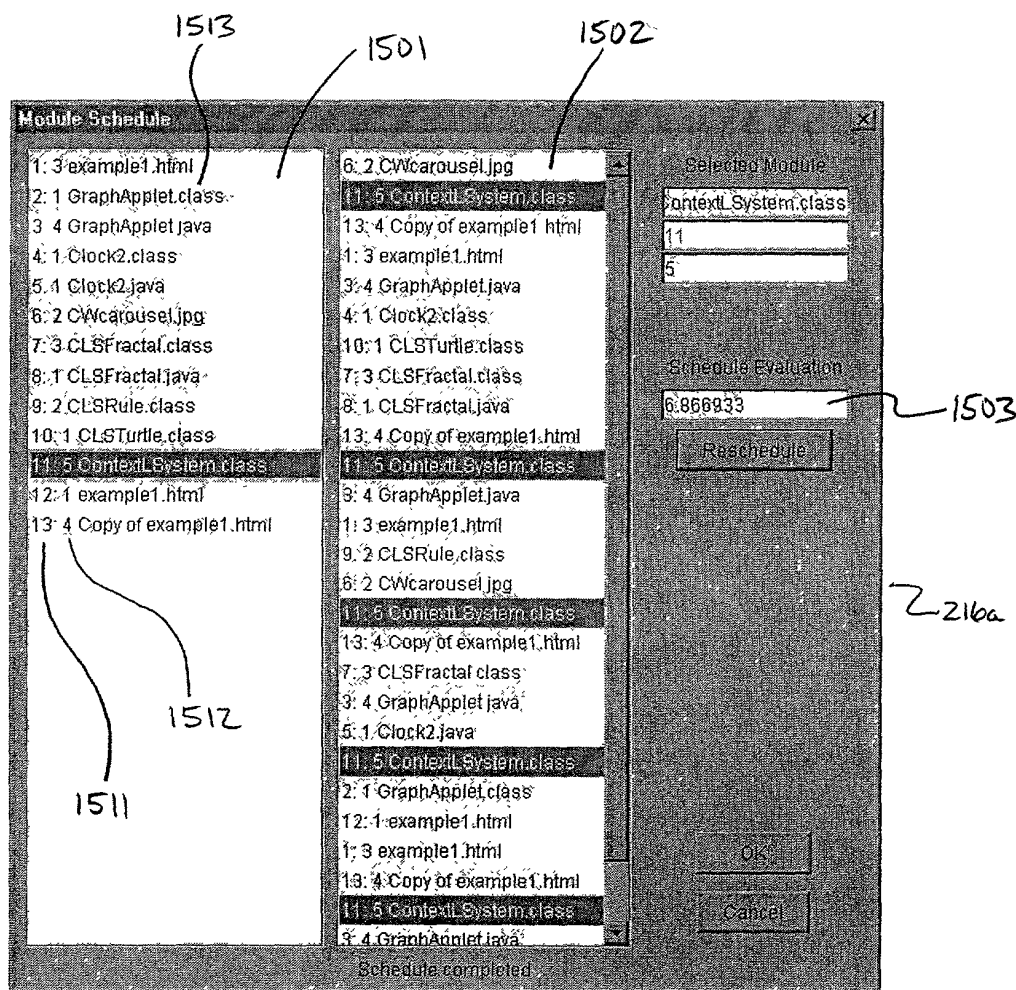


FIG. 15